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MAIL STOP PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Express Mail No.:

EV 314103462 US

Attorney's Docket No.: 0492611-0532 (MIT 9851)

Date Filed:

December 2, 2003

UTILITY PATENT APPLICATION TRANSMITTAL

(FOR NEW NONPROVISIONAL APPLICATIONS UNDER 37 C.F.R. § 1.53(B))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

Inventor(s):

Given Name (first and middle)	Family Name or Surname	Residence (City and State or Foreign Country)
Kohane	Daniel S.	Newton, MA
Langer	Robert S.	Newton, MA

Title of the Invention: Prolonged Suppression of Electrical Activity in Excitable Tissues

A) APPLICATION ELEMENTS:

- 1) Fee Transmittal Form (original and duplicate submitted for fee processing)
- 2) Applicant Claims Small Entity Status (see 37 CFR § 1.27)
 - a) ___ Statement Verifying Small Entity Status (optional)



3)	\boxtimes	Specification	TOTAL PAGES: 47 (38 pp. description; 8 pp. claims; 1 pg. abstract)
		Statement Regard	of the Invention to Related Applications (if applicable) ing Federally Sponsored R & D (if applicable) ence listing, a table, or a computer program listing appendix e Invention e Drawing (if filed) ion of the Invention
		4) Drawing(s) (35 U.S.C	C. § 113) TOTAL SHEETS: <u>5</u>
		a) 🔲 Formal Drawi	ngs (if checked)
		5 🛛 Oath or Declaration	TOTAL PAGES: 3
		a) Newly Execute	ed (original or copy)
	b) Copy from a prior application (37 C.F.R. § 1.63(d))-for continuation/divisional application		
			NOF INVENTOR(S): Signed Statement deleting inventor(s) named rior application, see 37 C.F.R §§ 1.63(d)(2) and 1.33(b).
		c) \(\sum \) Unexecuted	
		6) Application Datá She	eet. See 37 CFR 1.76.
		7) CD-ROM or CD-R in (Appendix)	duplicate, large table or Computer Program
		8) Nucleotide and/or Arnecessary)	nino Acid Sequence Submission (if applicable, all are
		a) Computer Read	dable Form (CRF)
		b) Specification S	equence Listing on:
		i) CD-RO	M or CR-R (2 copies); or
		ii) 🔲 Paper	
		c) Statements veri	fying identity of above copies

Express Mail Number EV 314103462 US Date Filed: December 2, 2003

B) ACCOMPANYING APPLICATION PARTS:
9) Assignment Papers
10) X 37 C.F.R. § 3.73(b) Statement (when there is an assignee)
11) Power of Attorney
12) English Translation Document (if applicable)
13) Information Disclosure Statement (IDS)/PTO-1449
14) Copies of IDS Citations
15) Preliminary Amendment
16) Return Receipt Postcard (MPEP 503) (specifically itemized)
17) Certified Copy of Priority Document(s) (if foreign priority is claimed)
18) OTHER: (if applicable, specified below) Establishing the Right of Assignee to Take Action (37 C.F.R. § 3.73(b))
C) <u>FOR CONTINUING APPLICATIONS</u> : (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)
CONTINUATION DIVISIONAL CONTINUATION-IN-PART (CIP)
OF PRIOR APPLICATION NO:
FILED:
EXAMINER:
GROUP/ART UNIT:
FOR CONTINUATION OR DIVISIONAL APPLICATIONS ONLY: The entire disclosure of the

prior application, from which an oath or declaration is supplied as detailed above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

Express Mail Number EV 314103462 US Date Filed: December 2, 2003

D) <u>METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:</u>

- Applicant claims small entity status 37 CFR § 1.27
- A check is enclosed to cover the filing fees as determined on the fee transmittal enclosed herewith
- The commissioner is hereby authorized to charge any additional filing fees or credit any overpayment to deposit account number 03-1721.

Total filing fee amount \$678.00

E) <u>CORRESPONDENCE ADDRESS:</u>

- Customer Number: 24280
- Correspondence Address:

Patent Department Attn: C. Hunter Baker, M.D., Ph.D. Choate, Hall & Stewart 53 State Street **Exchange Place** Boston, MA 02109 phone: (617) 248-5000

(617) 248-4000 fax:

Respectfully Submitted,

C. Hunter Baker, M.D., Ph.D.

Certificate of Mailing

I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope

addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA

Reg. No.: 46,533

CHOATE, HALL & STEWART

53 State Street **Exchange Place** Boston, MA 02109

Phone: (617) 248-5000 Fax: (617) 248-4000

December 2, 2003

Express Mail Number EV 314103462 US Date Filed: December 2, 2003

Typed or Printed Name of person signing certificate

22313-1450

Date

December 2, 2003

(Complete (if applicable))

Telephone 617-248-4801

120	
203	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. **FEE TRANSMITTAL** for FY 2004

Effective 10/01/2003.	Patent fees are	subject to annua	ıl revision

Applicant claims small entity status. See 37 CFR 1.27

SUBMITTED BY

Name (Print/Type)

C. Hunter Baker

(\$) 6	78.
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Complete if Known			
	Application Number	Not Yet Assigned	
	Filing Date	December 2, 2003	
	First Named Inventor	Daniel S. Kohane	
	Examiner Name	Not Yet Assigned	
	Art Unit	Not Yet Assigned	
	Attorney Docket No.	0492611-0532 (MIT9851)	

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)	
Check Credit card Money Other None	a 3. ADDITIONAL FEES	
Deposit Account:	Large Entity Small Entity	
Deposit Account 03/1721	Fee Fee Fee Fee Description Fee Fee Fee Fee Fee Fee Pescription Fee Pescription	aid
Number	1051 130 2051 65 Surcharge - late filing fee or oath	
Deposit Account Name Choate, Hall & Stewart	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet	_
The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification	
Charge fee(s) indicated below Credit any overpayments	s 1812 2,520 1812 2,520 For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month	
AND THE COURT OF T	1252 420 2252 210 Extension for reply within second month	
1. BASIC FILING FEE Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid	1 1254 1,480 2254 740 Extension for reply within fourth month	
Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month	
1001 770 2001 365 Offinity filling fee 385.	1401 330 2401 165 Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 385.	1452 110 2452 55 Petition to revive - unavoidable	
	1453 1,330 2453 665 Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUI	JE 1501 1,330 2501 665 Utility issue fee (or reissue)	
Ext <u>ra Claims below Fee Pai</u>	id 1502 480 2502 240 Design issue fee	
Total Claims 43 -20** = 23 x 9 = 207.	1503 640 2503 320 Plant issue fee	
Claims 5 - 3** = 2 X 43 = 86	1460 130 1460 130 Petitions to the Commissioner	
Multiple Dependent	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties)	
1202	1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	d 1810 770 2810 385 For each additional invention to be	\neg
1204 86 2204 43 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE)	\dashv
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application	\dashv
	Other fee (specify)	コ
SUBTOTAL (2) (\$\) 293. **or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	

C, D& 75 Signature December 2, 2003 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.